



Junior Ranger Activity Book



Dakota S.
Rose Hill, VA

Become a Junior Ranger!

Welcome to Cumberland Gap National Historical Park! Complete as many activities as you can in this booklet and become a full fledged Cumberland Gap National Historical Park Junior Ranger. After finishing your activities, go to the visitor center (unfinished activities can be completed at home). A Park Ranger will check your work and present you with your well-earned badge!



Junior Rangers explore and learn about America's national parks when they visit them everyday. It is now officially your duty as a Cumberland Gap National Historical Park Junior Ranger to protect the park during your visit and have fun along the way! Write your name below to get started with your adventure!

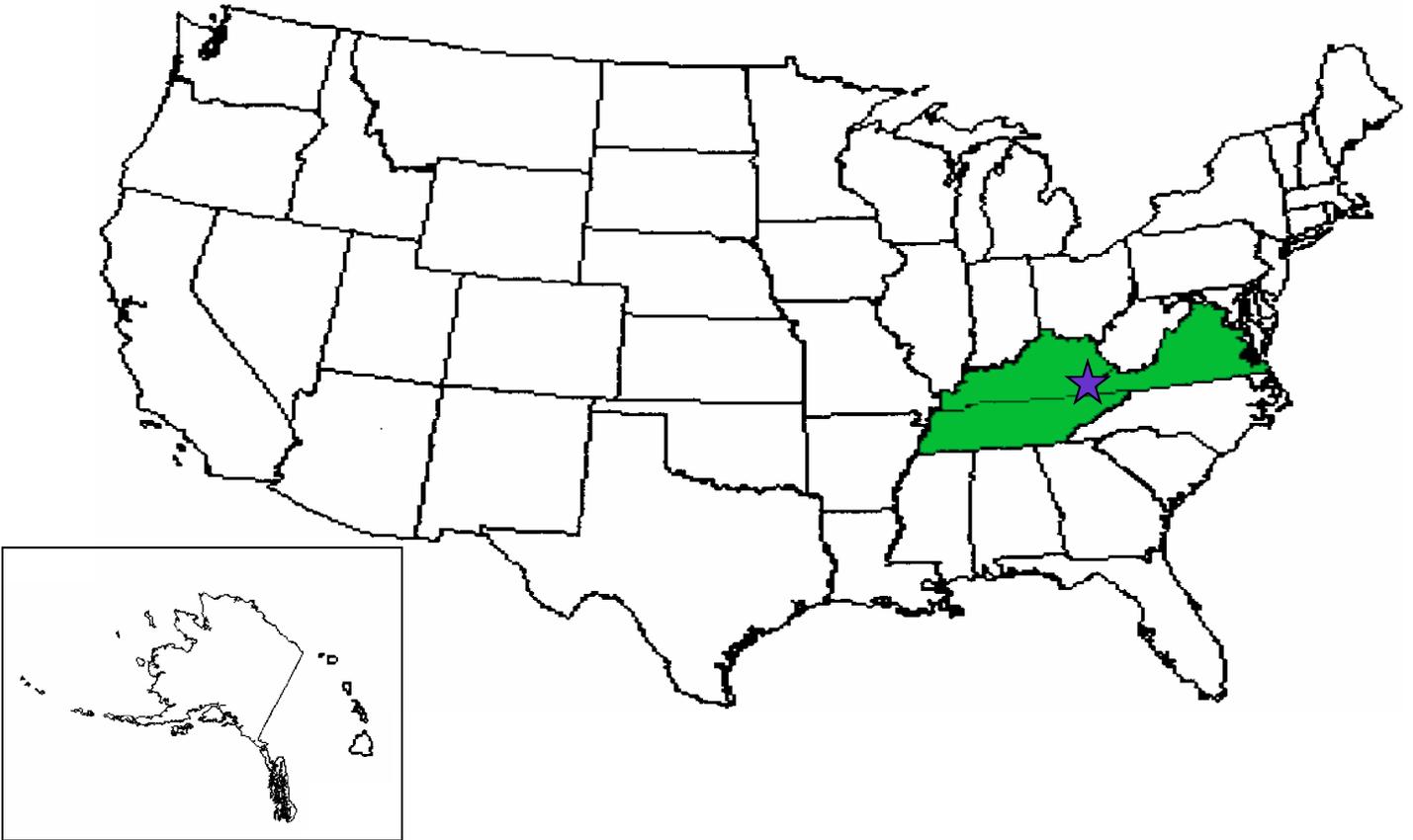
This Junior Ranger Workbook Belongs To:

As a new Junior Ranger, Cumberland Gap National Historical Park staff would like to welcome you to our team! Park Rangers and volunteers recorded the song, Cumberland Gap for you to take with you on your park journey. Now, not only will you have a Junior Ranger badge to remember your trip but you can visit the park any time by listening to your Cumberland Gap National Historical Park CD!

National Parks Near You!

There are over 380 units within the National Park System that preserve and protect America's cultural, natural, and historical heritage. You can find national park sites all over the United States and maybe there's one near your home. Cumberland Gap National Historical Park is a very special place for many reasons. One reason Cumberland Gap is so special is that it is in three states! When you visit Cumberland Gap you have the chance to see Kentucky, Tennessee, and Virginia. If you hike 2.4 miles round trip from the Thomas Walker parking area, you can stand in all three states at the same time at the Tri-State Peak!

Look at the map below. Kentucky, Tennessee, and Virginia are colored green. Write their abbreviations, KY, TN, and VA in the corresponding state. Then, color the state where you're from and draw a line from your state to Cumberland Gap National Historical Park (the purple star) and answer the questions below.



How did you get to Cumberland Gap National Historical Park? _____

How far is Cumberland Gap from your home (hint: ask your parents)?

What national park unit is closest to where you live? _____

Groovy Movie Trivia

Welcome to Cumberland Gap National Historical Park's visitor center! Become familiar with the park by watching "The Cumberland Gap" and "Daniel Boone and the Westward Movement" movies in the theater located on the second floor and answer the questions below.

"Daniel Boone and the Westward Movement"

1) Name one American Indian group that moved through the "Warrior's Path" to hunt bison in Kentucky.

2) What happened to Daniel and Rebecca Boone's son as they traveled toward the Cumberland Gap?

3) From 1775-1810 how many pioneers walked through Cumberland Gap?

4) Life was easy for pioneers once they passed through the Gap and settled in Kentucky. (circle true or false)

True

False

"The Cumberland Gap"

1) Why is the Cumberland Gap so important?

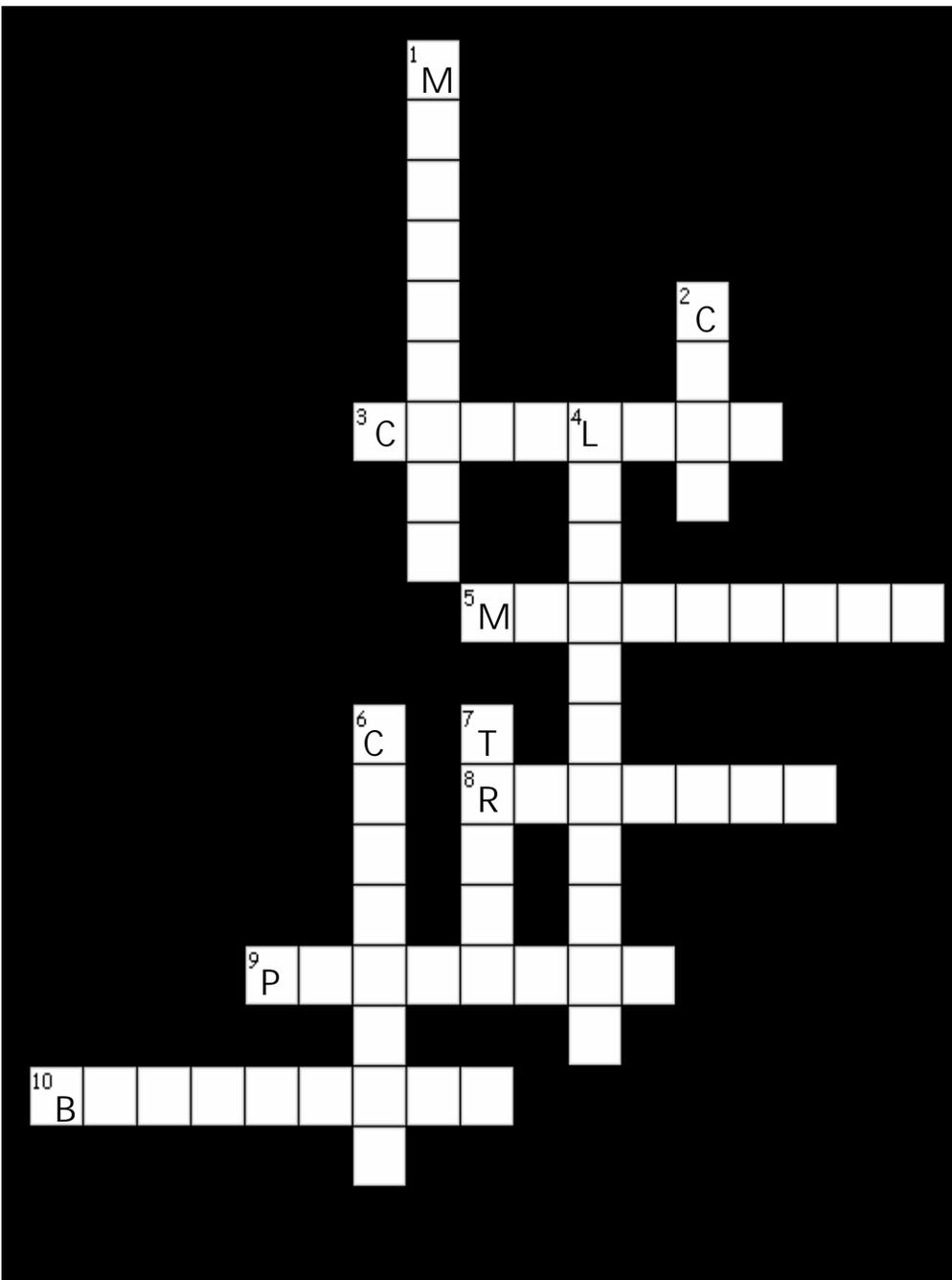


Visitor Center Exhibit Crossword Puzzle

Explore the exhibit in the visitor center and read the clues below to solve the crossword puzzle.

Across:

- 3) From 1861-1865, the Union and Confederate armies fought in the _____.
- 5) Middlesboro, Kentucky used to be called the "_____."
- 8) A group of people who work at National Parks are called _____.
- 9) 200,000-300,000 of these people walked through the Cumberland Gap from 1775-1810.
- 10) Locate the three furs in the exhibit. The biggest, darkest fur is from what animal?



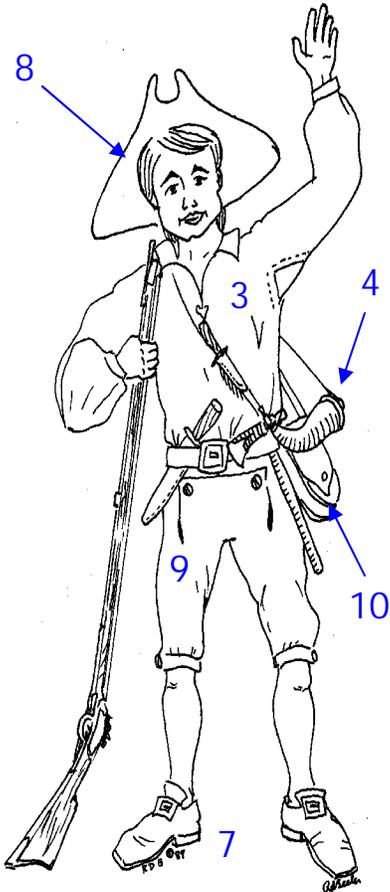
Down:

- 1) The Cumberland Gap made it easier for animals, American Indians, and pioneers to pass through the Appalachian _____.
- 2) What major mineral did workers mine around the Cumberland Gap in the 1800s?
- 4) People like Daniel Boone who hunted for months at a time were called what?
- 6) What group of American Indians followed bison through the Cumberland Gap into Kentucky?
- 7) What word means to exchange goods?



Pioneer Playhouse

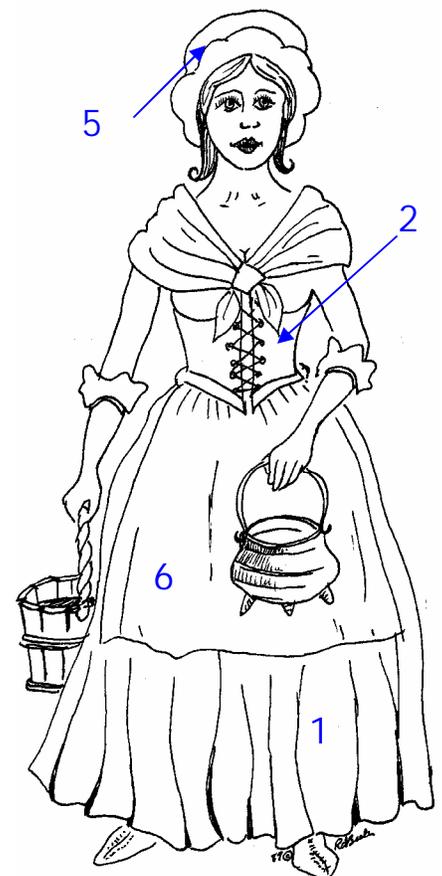
Clothing of the late 1700s and early 1800s reflected the hard work of pioneer men and women. Today, clothing is easily bought in stores, yet during the Colonial Era people made their own clothes, which they often passed down through the family. Since clothing was hard to make, it had to be practical at all times. For example women wore short gowns (adjustable light jackets, not pictured) that were flexible enough to expand during pregnancy. Read the clothing descriptions below and match their name with the numbers on the pioneer man and woman.



Clothing Word Bank:

- Powder Horn-made from cow horn, stored black powder
- Tri-corned Hat- made of felt, kept head warm even when wet
- Breeches-knee length or longer pants
- Petticoat-colorful outer skirt
- Apron-used to help carry things and protected the petticoat
- Shirt-worn for hunting and also served as a nightgown
- Mob Cap-simple hat worn day and night
- Buckle Shoes-worn with warm, woolen stockings
- Haversack- used to carry things you need every day
- Bodice-supportive undergarment for women

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____



Park Puzzle
Pioneers passed through the Cumberland Gap from 1775—1810. How many years ago was that?

(Current year) _____
- 1775

Wildflower Tic Tac Toe

The visitor center garden contains a variety of wildflowers that dazzle visitors during the park's warmer seasons. Not only are the flowers beautiful to behold, but many of them serve medicinal purposes as well. For example, American Indians used Butterfly Weed to treat bronchitis and as a poultice (bandage) for wounds and sores. While some plants, like the Yellow Lady Slipper are extremely rare, others, such as the Aster, can be found in many areas, especially in Tennessee.

Go to the front of the visitor center to the wildflower garden and put an X in the small white box beside every flower you find. 3 in a row vertically, horizontally, or diagonally makes you a winner (hint: If you're having trouble finding the different flowers, especially in cooler months, read the signs with information and pictures that will help you)!



Did you know? There are around 322 species of Aster in Tennessee!

Dr. Thomas Walker Word Search

In 1750, Dr. Thomas Walker was the first white traveler to document the Cumberland Gap. Accompanied by five companions, Walker's travels eventually led to Daniel Boone's later discoveries as well as the migration of 200,000-300,000 settlers. However, Thomas Walker was not the first person to pass through the Gap. American Indians followed the trails of bison long before Dr. Walker's remarkable journey. Below is an excerpt of Dr. Walker's journal from 1750. Locate the words printed in bold and find them in the word search below. Words can be found horizontally, vertically, diagonally, and backwards.

April 13th We went four miles to large Creek, which we called Cedar (Indian) Creek, being a branch of Bear Grass, (Powell's) and from thence six miles to Cave (Cumberland) Gap the land being level. On the north side of the gap is a large Spring, which falls very fast, and just above the Spring is a small entrance to a large Cave, which the Spring runs through, and there is a constant Stream of cool air issuing out. The Spring is sufficient to turn a Mill. Just at the foot of the Hill is a Laurel Thicket, and the Spring Water runs through it. On the South side is a plain Indian Road. On the top of the Ridge are Laurel Trees marked with crosses, others blazed and several figures on them. As I went down on the other side, I soon came to some Laurel in the head of a Branch. A Beech stands on the left hand, on which I cut my name. This Gap may be seen at a considerable distance and there is no other, that I know of, except one about two miles to the North of it, which does not appear to be so low as the other.

Mountain Laurel



J	K	I	B	U	C	W	C	P	O	U	R	Q
C	K	A	V	I	Y	M	U	N	O	R	T	H
X	N	E	O	T	E	L	M	G	A	M	S	U
E	V	B	E	S	I	J	B	A	T	S	E	R
Y	A	P	M	R	O	T	E	P	M	V	E	G
H	M	I	L	L	C	O	R	C	A	W	R	P
C	T	M	O	R	T	R	L	C	U	A	T	L
G	R	E	U	M	H	W	A	I	N	D	L	O
N	B	E	E	C	H	G	N	D	I	M	E	E
I	P	E	A	C	N	O	D	R	E	L	R	N
R	T	B	O	R	T	H	G	A	K	C	U	L
P	Z	E	I	N	D	I	A	N	R	O	A	D
S	N	W	P	N	I	A	P	X	C	M	L	I

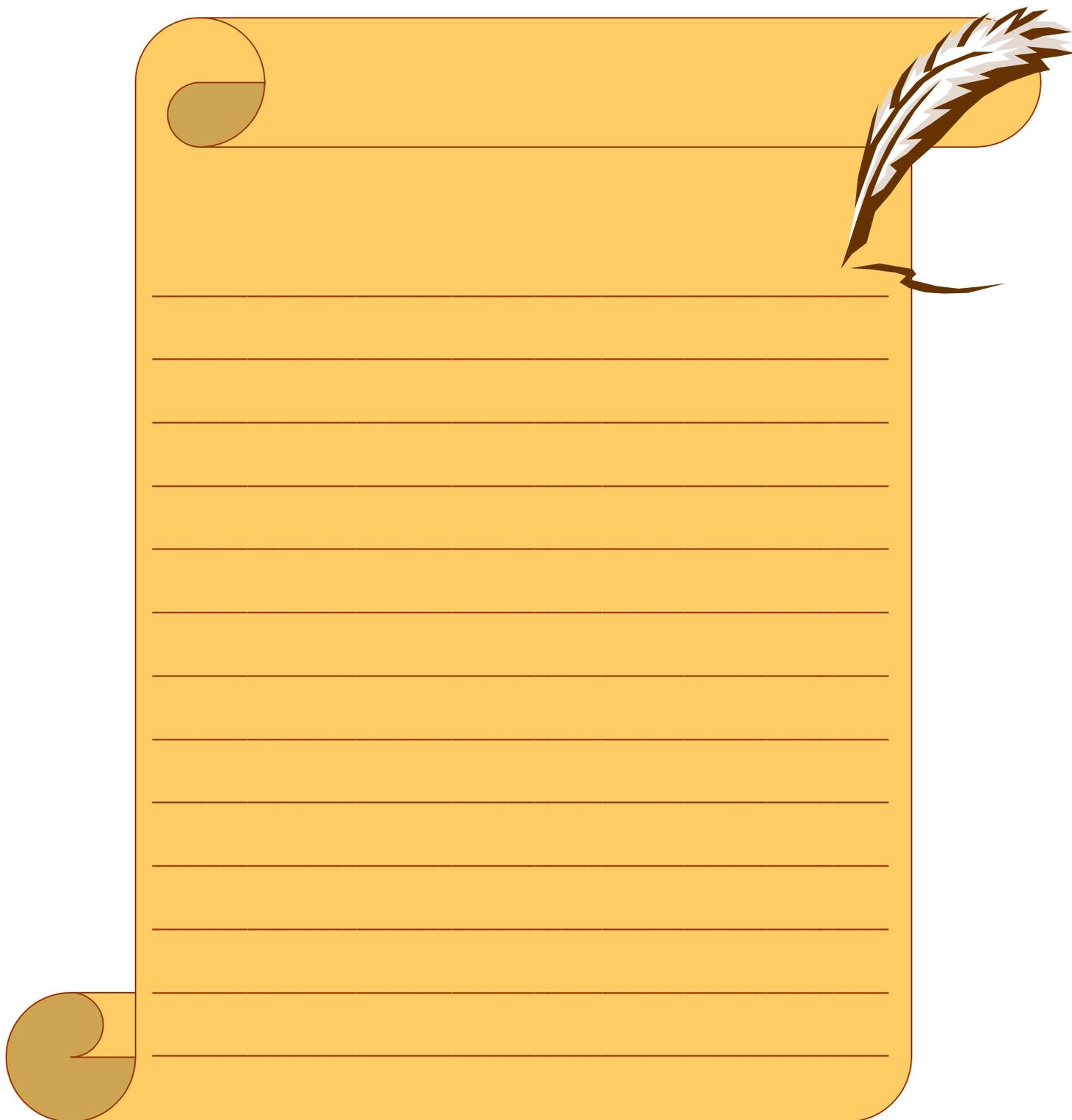
Word Bank:
Spring
Indian Road

Mill
Cave
Laurel Trees

Cedar Creek
Cumberland Gap
Beech

Pioneer Journal

Just like Dr. Thomas Walker wrote in his journal, now it's time to write in yours! Explore the many trails and sights of Cumberland Gap National Historical Park and record your adventures below.



The image shows a large, yellow, lined journal page. The page is oriented vertically and has a rounded top-left corner and a rounded bottom-left corner. The page is filled with horizontal lines for writing. On the right side of the page, there is a detailed illustration of a quill pen, with its tip pointing downwards. The quill is white with brown and black shading to indicate its texture and the way it is held. The page is set against a white background.

Visions of Cumberland Gap

The quotes below are representative of people's thoughts and emotions upon witnessing the majesty of the Cumberland Gap. Write your own quote about what Cumberland Gap National Historical Park means to you. Even if you haven't visited the park firsthand, write what you think you would view or how passing through the Gap would make you feel.

“Stand at the Cumberland Gap and watch the procession of civilization, marching single file- the buffalo following the trail to the salt springs, the Indian, the fur- trader and hunter, the cattle raiser, the farmer- and the frontier has passed you by.”

Fredrick Jackson Turner, 1893

“I have not had an opportunity of going up on the Mountain to see our fortifications. Yet to sit in my tent and view those lofty summits of the “old Cumberland,” to see the different red mounds thereon, Tents sitting by craggy rocks and bluffs in every direction all tell us that death and destruction would be dealt to an advancing foe. We have no war news, everything seems to be still....”

Seth H. Hyatt, 1863 (Confederate soldier)

“There Cumberland Gap, that high swung gateway through the mountain, abides as a landmark of what Nature can do when she wishes to give an opportunity to the human race in its migrations and discoveries, without surrendering control of its liberty and its fate.”

James Lane Allen, 1886



Operation Overlook

Pinnacle Overlook is one of the most popular attractions at Cumberland Gap National Historical Park. Only four miles from the visitor center, you and your family can see a beautiful view of Tennessee, Kentucky, and Virginia at the same time. You can also see Fern Lake in the distance and can take a short walk to Fort Lyon, a reminder of the Civil War at the Gap in the 1860s.

There are many fun things to discover at Pinnacle Overlook. What three things do you see at Pinnacle Overlook? Crack the code to find out (hint: Read the information on the signs about the different views at the Overlook)!

- A = 16
- B = 17
- C = 18
- D = 19
- E = 20
- F = 21
- G = 22
- H = 23
- I = 24
- J = 25
- K = 26
- L = 1
- M = 2

- N = 3
- O = 4
- P = 5
- Q = 6
- R = 7
- S = 8
- T = 9
- U = 10
- V = 11
- W = 12
- X = 13
- Y = 14
- Z = 15

$$\overline{26} \quad \overline{20} \quad \overline{3} \quad \overline{9} \quad \overline{10} \quad \overline{18} \quad \overline{26} \quad \overline{14},$$

$$\overline{9} \quad \overline{20} \quad \overline{3} \quad \overline{3} \quad \overline{20} \quad \overline{8} \quad \overline{8} \quad \overline{20} \quad \overline{20},$$

$$\overline{16} \quad \overline{3} \quad \overline{19}$$

$$\overline{11} \quad \overline{24} \quad \overline{7} \quad \overline{22} \quad \overline{24} \quad \overline{3} \quad \overline{24} \quad \overline{16}$$



Park Puzzle
 The elevation at Pinnacle Overlook is 2,400 feet above sea level. At the visitor center, the elevation is 1,100 feet above sea level. How many feet do you gain from the visitor center to Pinnacle Overlook?

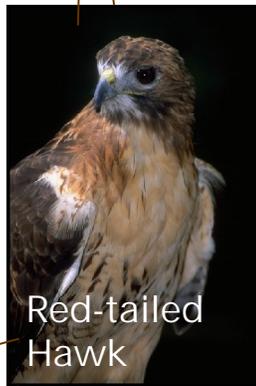
$$\begin{array}{r} 2,400 \text{ feet} \\ - 1,100 \text{ feet} \\ \hline \end{array}$$

Saddle of the Gap Scavenger Hunt

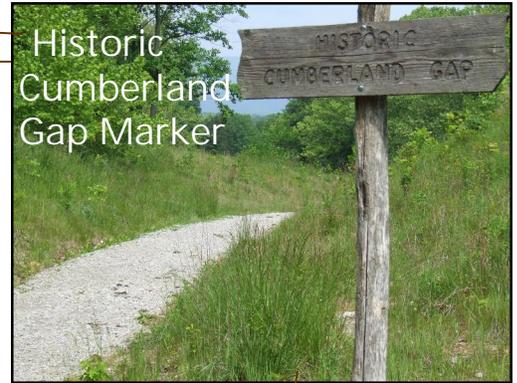
Take a step back in time when you hike the Object Lesson Road or Wilderness Road Trail which lead you to the historic Cumberland Gap! Walk in the footsteps of almost 300,000 pioneers who journeyed through the Gap. Stand at the Gap and enjoy a fresh mountain breeze. Once at the Gap, continue your hike to the Tri-State Peak where you can stand in Virginia, Tennessee, and Kentucky at the same time. Circle the objects you find as you explore the park's trails. Remember you can touch the plants and rocks you find along the way, but please leave them behind for other visitors to enjoy.



Indian Rock



Red-tailed Hawk



Historic Cumberland Gap Marker



White-tailed Deer



Daniel Boone Trail Marker



Tri-State Marker

Park Puzzle

From the Thomas Walker parking area, it is a .6 mile hike to the historic Cumberland Gap. A hike to the Tri-State peak is another .6 miles. How many miles is a round trip hike from the Thomas Walker parking area to the Tri-State peak?

$$(.6 + .6) \times 2 =$$

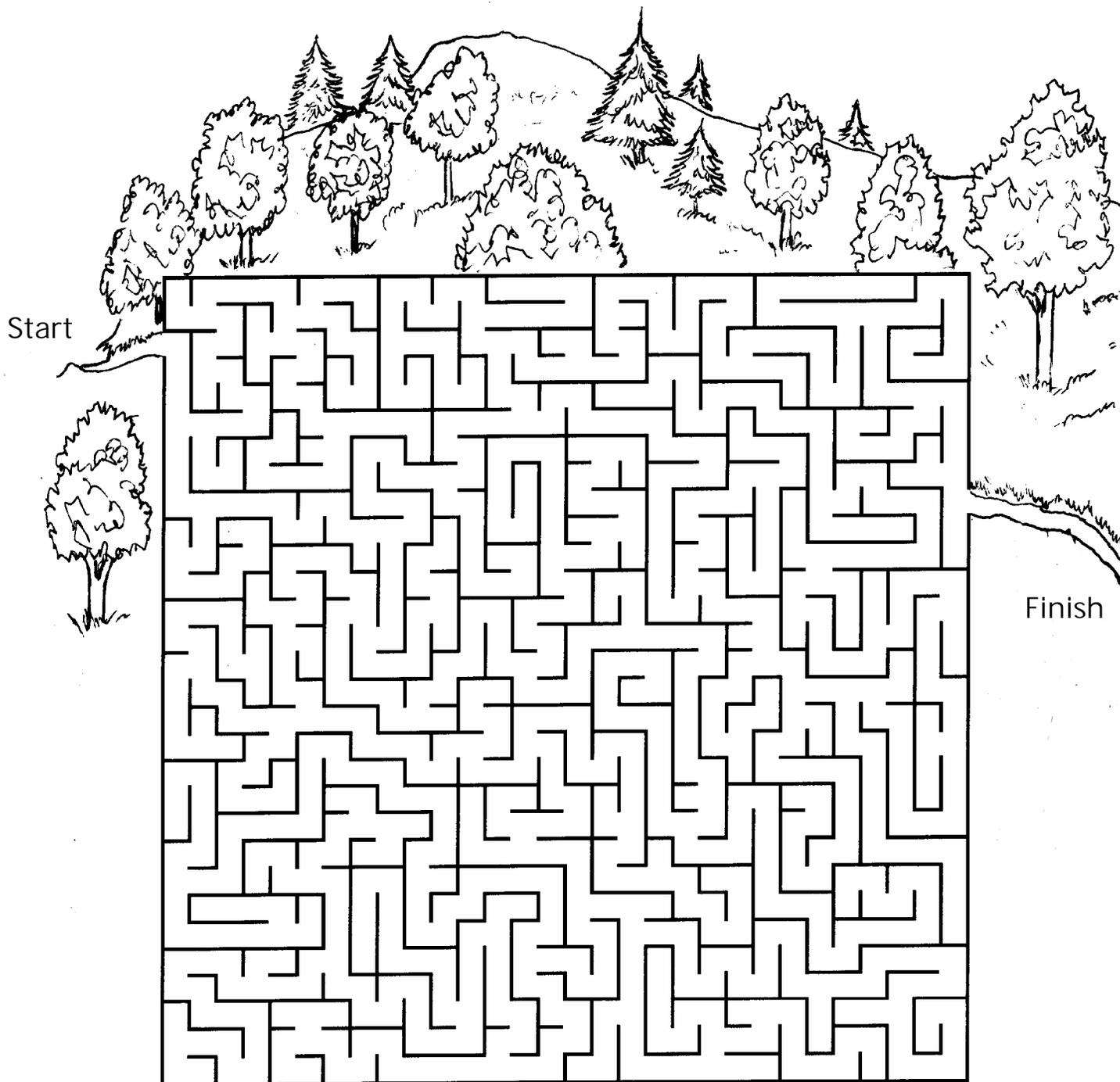
Hidden Hiking Gear

There are 70 miles of hiking trails at Cumberland Gap National Historical Park for you and your family to enjoy. Hiking is a great way to explore the park and discover some of Cumberland Gap's hidden treasures. Before you start your hike, it is important to pack your backpack with things you might need along the way. Look at the picture below and find the 10 things you'll need on your hiking trip (hint: You will find a canteen to carry water, a first aid kit, a flashlight, food, a map, a compass, binoculars, hiking boots, a walking stick, and your backpack).



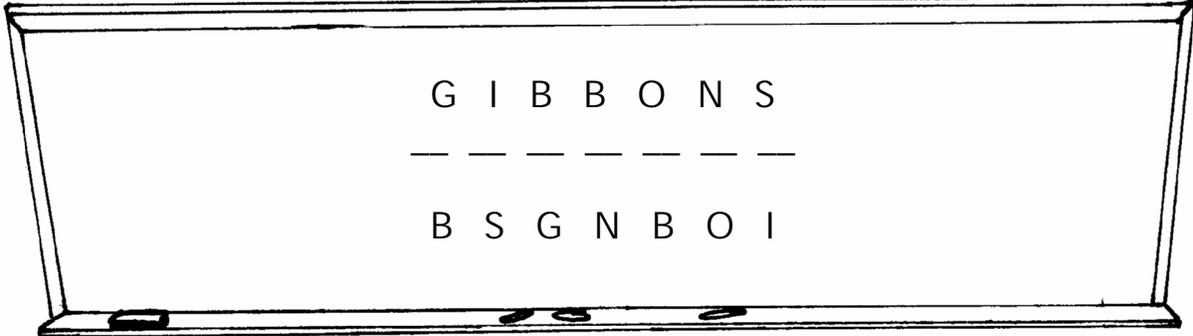
Beat Brush Mountain!

In the early 1900s, members of Hensley Settlement lived far away from rapidly developing towns and cities around them. Adhering to the pioneer lifestyle, Sherman Hensley walked nearly five miles to leave Brush Mountain to go into town for supplies. Mule and horse drawn sleds also helped transport personal belongings on and off the mountain. Like the maze below, at first there was no clear route to get off the mountain. Settlers had to create trails that could be navigated by foot. Follow your own trail to get off Brush Mountain!



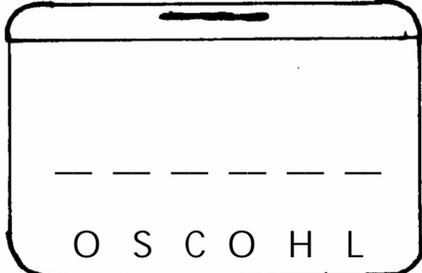
Settlement Spelling Bee

At Hensley Settlement children went to school from July to January every year. Then, in the spring, children did farm work to help their families. The schoolhouse at Hensley Settlement was one room and teachers like Stella Hensley taught first through eighth grades all together. Children learned many subjects from their teachers and sometimes had fun games like Spelling Bees. Now it's time to test your spelling skills! Unscramble the scrambled words below to learn more about life at Hensley Settlement.

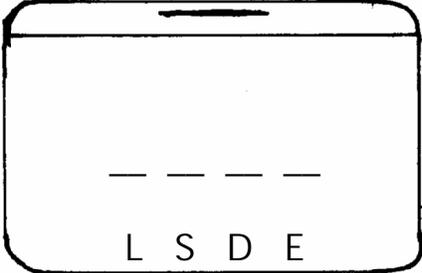


G I B B O N S

B S G N B O I



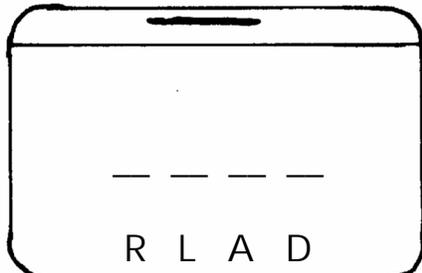
O S C O H L



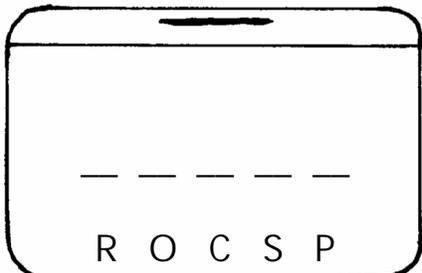
L S D E

Word Bank:

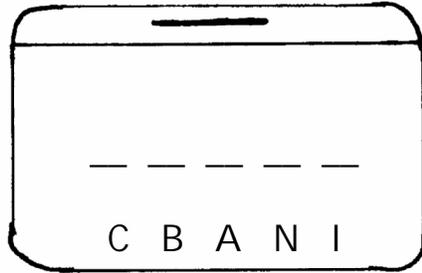
- Lye Soap
- Lard
- Farm
- School
- Hensley
- Cabin
- Pigs
- Crops
- Sled



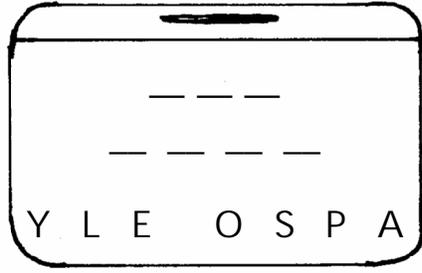
R L A D



R O C S P



C B A N I

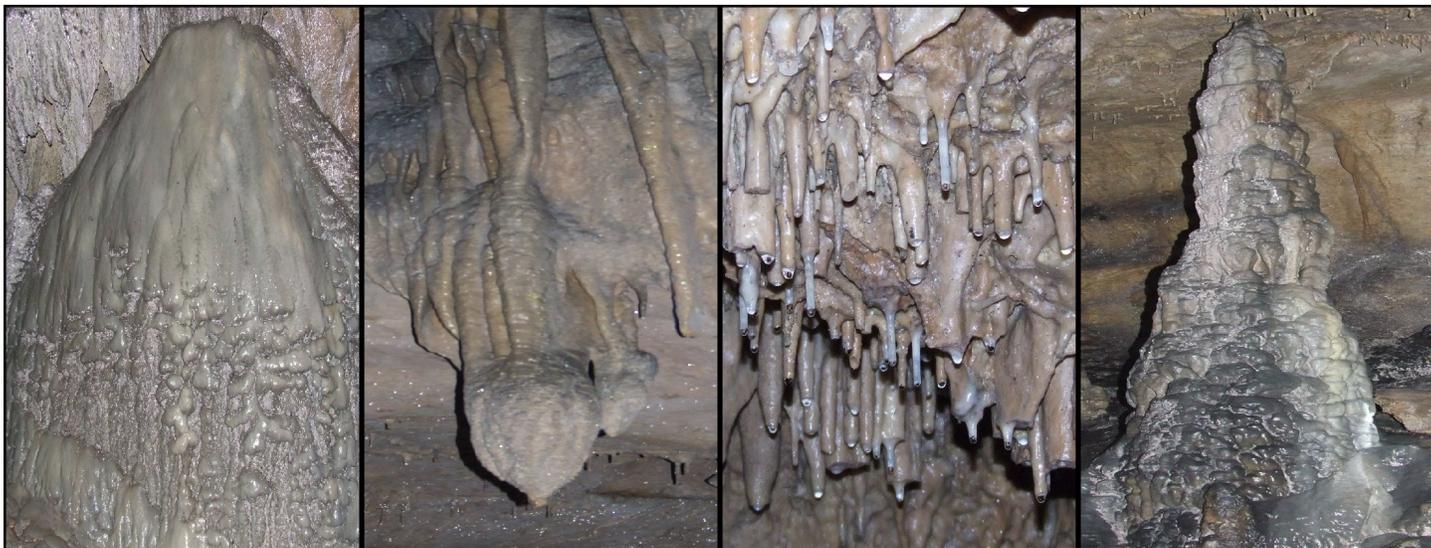


Y L E O S P A

Cave Creations

There are a wide variety of rock formations in the world and you can see many of them as you tour Gap Cave! Rock formations in the cave develop from a combination of water, limestone, and time. Two of the most well known formations are called stalagmites and stalactites. Stalagmites develop on the floor of caves and grow upward into unique shapes while stalactites form on the ceilings of caves and face downward. Soda straws are much like stalagmites and stalactites but are very long and thin, therefore looking like an old fashioned drinking straw! Flow stones are smooth in texture and often resemble a waterfall or erupting volcano.

Based on the above descriptions match the formations: stalagmites, stalactites, soda straws, and flow stones with the pictures below. Then draw your own formation and name it!



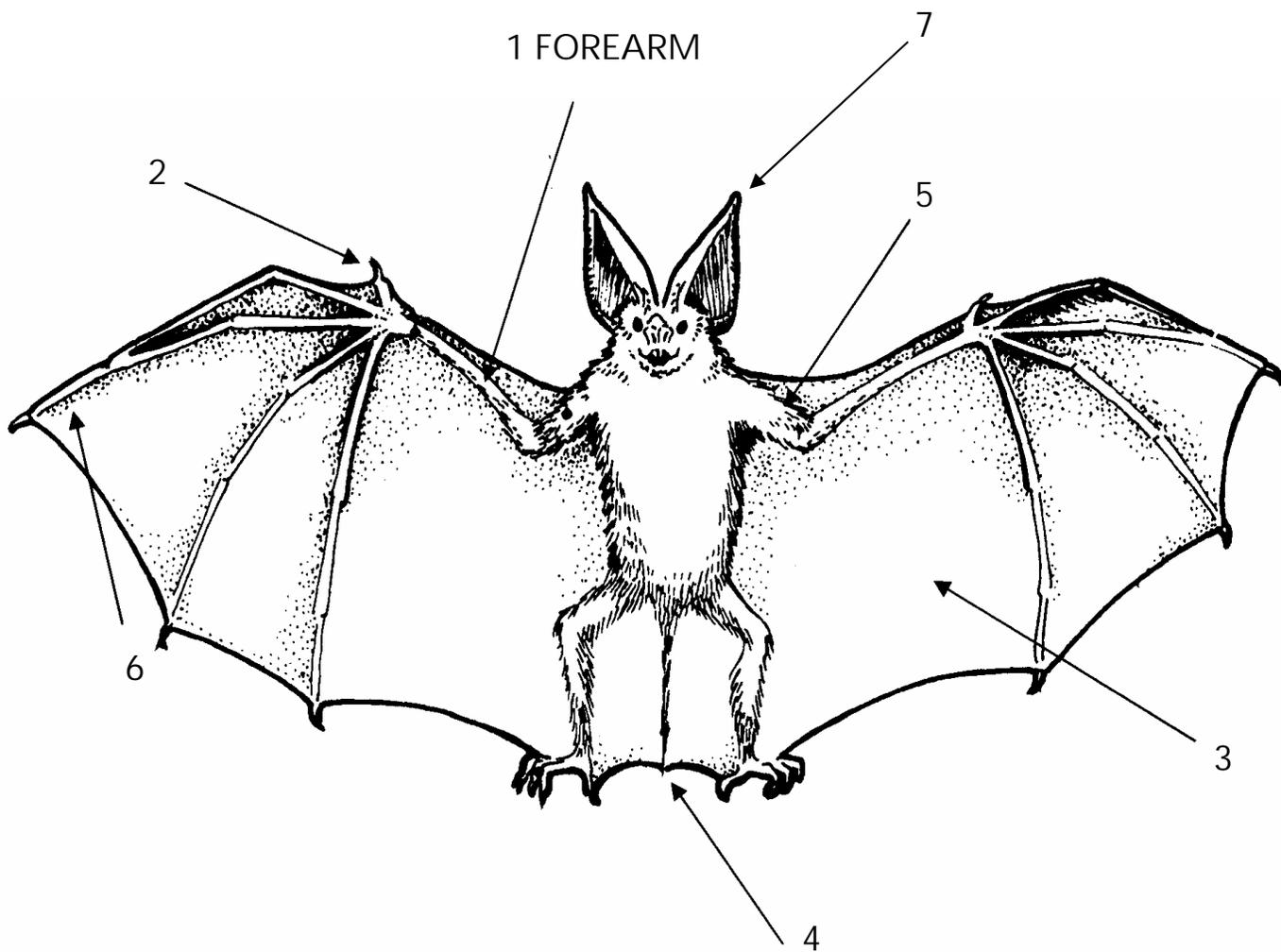
1) _____ 2) _____ 3) _____ 4) _____

My Cave Creation:



Bats Like Us!

Bats are found in forests and caves throughout Cumberland Gap National Historical Park. There are many species of bats all over the world. Four of them make their homes here at the park! Big Brown Bats, Little Brown Bats, Eastern Pipistrelles, and Long Eared Bats are nocturnal. This means they stay in their roosts during the day and search for insects after dark. Bats are also the only mammal that can fly and are built a lot like humans!



Fill in the blank spaces to complete the words. Use the words to label the parts on the bat. What other features does the bat have in common with humans?

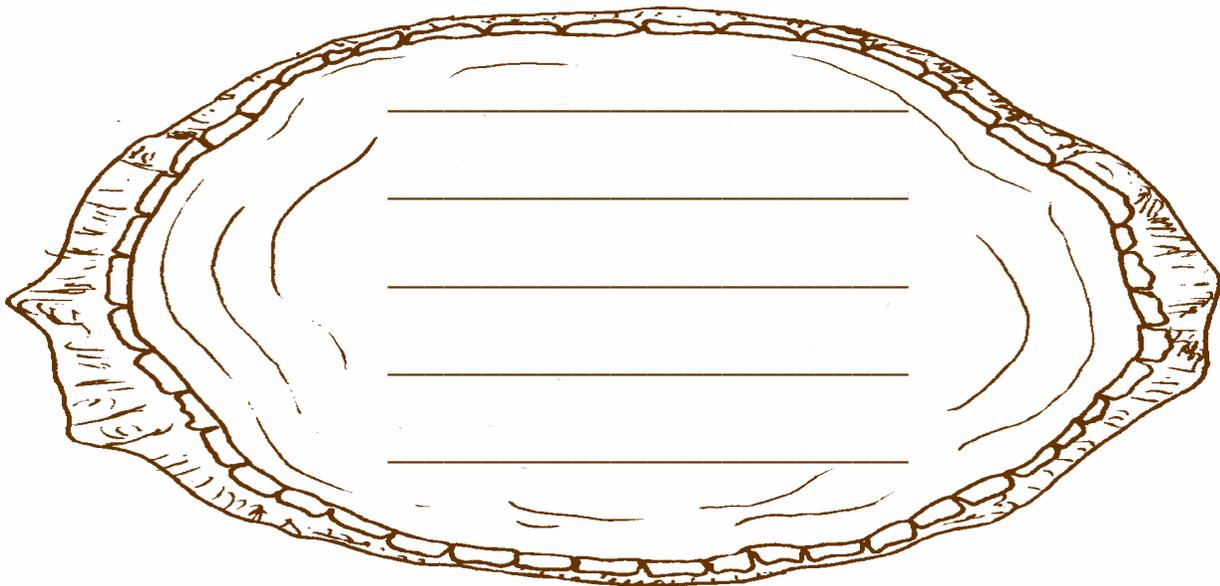
- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)

A Balanced Bear Diet



Many people believe that feeding or allowing bears to eat trash is helpful to bear survival. Human interaction with bears is actually very dangerous to both the bear and the person. Black bears are naturally afraid of humans, but they will associate unnatural foods with people, therefore making them aggressive towards humans.

Bears don't need our help finding food because they will eat almost anything! Just like people, bears are omnivores. This means they eat meat and plants. The majority of the black bear diet consists of nuts, leaves, roots, berries, and other fruits and vegetation. Only 13% of a black bear diet is meat and insects. Fill in the blanks below with what you think is part of a black bear's balanced diet. Remember everything on your list should be something a bear can find in the wilderness (both plants and meats) and is not people food.



Be Bear Aware!

Black bears are returning in impressive numbers to Cumberland Gap National Historical Park. In most cases, bears avoid humans but it is still important to be bear aware! If you see a bear, back away slowly. Don't run from the bear! If the bear follows you, make loud noises and throw rocks and other non-food objects at the bear. Finally, if the bear attacks you, fight back! Playing dead is a tactic more commonly used with grizzly bears.

Wanted! Exotic Invaders

Exotic plant species are not originally from the United States. People brought these alien species both by accident and on purpose to America. Unfortunately, some of these exotic plants spread uncontrollably and push out species native to North America. Look at the Wanted! posters and descriptions to discover two types of exotic plants found at Cumberland Gap National Historical Park. Then, try to find these plants as you journey through the park and at home. Remember, don't pick any of the plants at the park even if they are exotic.



Japanese Honeysuckle

Japanese Honeysuckle is a sweet smelling and tasting exotic plant that lives primarily in the eastern and midwestern part of the United States. Originally from Japan, people brought this species to America because of its pretty flowers and pleasant smell. Japanese Honeysuckle also fights erosion and spreads quickly.



Kudzu

Kudzu is an extremely invasive plant that lives mainly in the south. People brought this invasive species all the way from Japan to fight erosion. Kudzu is a threat to national parks because it pushes out species native to the park and area. This exotic plant also takes the place of native species that animals eat. A type of vine, kudzu can grow a foot a day!

Warning! These plants are exotic and should be considered extremely dangerous to national parks!

Ranger Reporter

There are many varieties of Rangers who protect Cumberland Gap National Historical Park in different ways. Law Enforcement Rangers make sure people use the park safely and wisely to preserve the park for future visitors. A Park Interpreter educates visitors about both the cultural and natural resources of the Gap. Resource Management Rangers study and protect the park's natural elements like water and plants. Maintenance workers ensure that the park remains beautiful and is in top condition. As you can tell, management of the park is a team effort!

Pretend that you're a reporter from a local newspaper trying to learn more about Cumberland Gap Park Rangers. Find a Park Ranger and ask if you can interview him or her (hint: a good place to ask is at the visitor center). Ask the questions below and record your answers. If you would like, there is also space to write your own question.

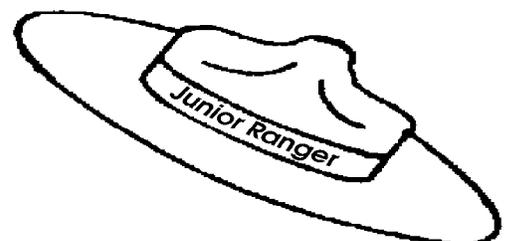
1) What's your name?

2) How long have you worked at Cumberland Gap National Historical Park?

3) What's your favorite part of your job as a Park Ranger?

4) How can Junior Rangers protect Cumberland Gap and other parks?

5) _____

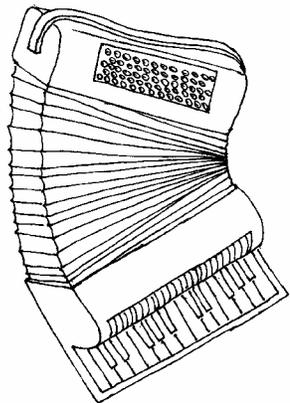


Mountain Melodies

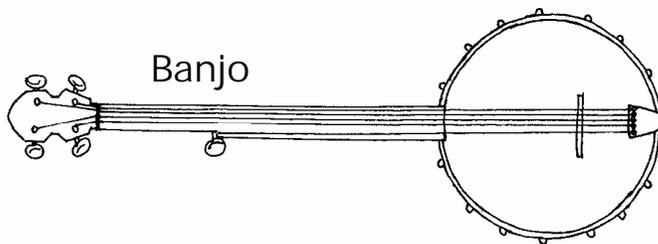
With sounds echoing bluegrass and folk music, the sound of Appalachian music is as unique as the culture of the Appalachian Mountains and people. Long before the invention of TV and radio, people shared news and stories through songs in the 1700s and 1800s. Even today Appalachian music continues to tell the story of mountain life at Cumberland Gap and far beyond Kentucky, Tennessee, and Virginia.

Like bluegrass and folk music, the sound of traditional Appalachian music comes mainly from stringed, acoustic instruments. Acoustic instruments do not produce their sound electronically and of course, stringed instruments must all have strings to make their beautiful sounds. Look at the instruments below. Circle the instruments that are played in Appalachian music.

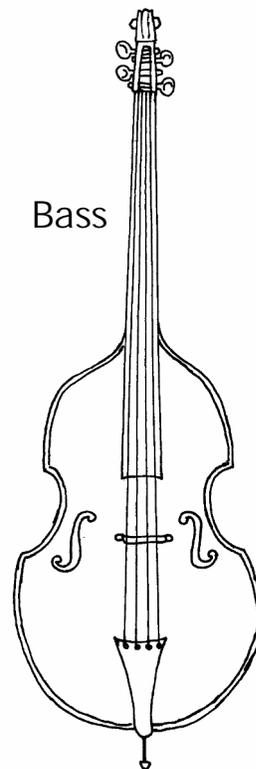
Accordion



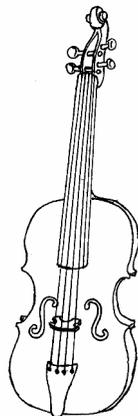
Banjo



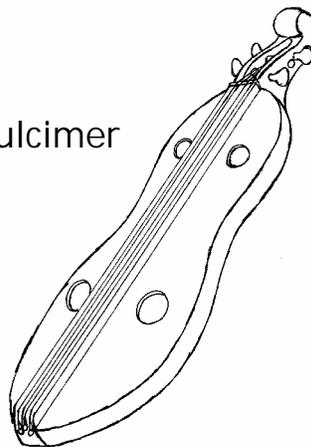
Bass



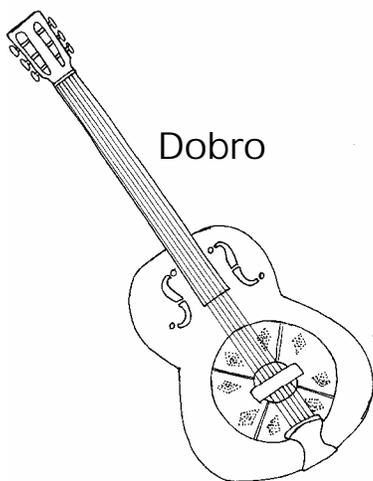
Fiddle



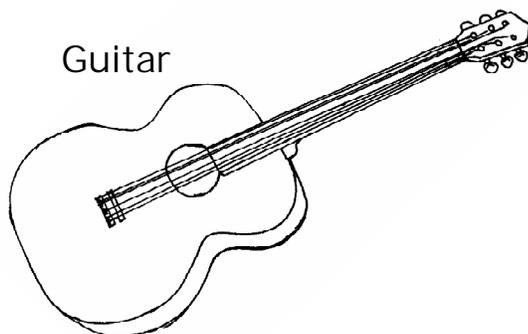
Dulcimer



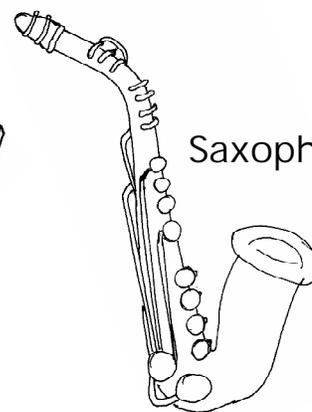
Dobro



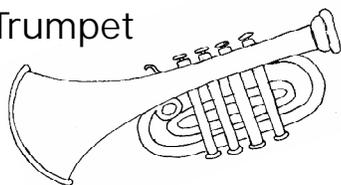
Guitar



Saxophone



Trumpet



Art Splash!

Junior Rangers submitted the artwork below. These excellent drawings represent what Cumberland Gap means to these Junior Rangers. What does the park mean to you? Draw a picture of Cumberland Gap and mail it to the visitor center where Rangers will display your artwork for visitors to see! Mail your artwork to: Cumberland Gap National Historical Park, PO Box 1848, Middlesboro, KY 40965.



Anton S.
Shorewood, WI

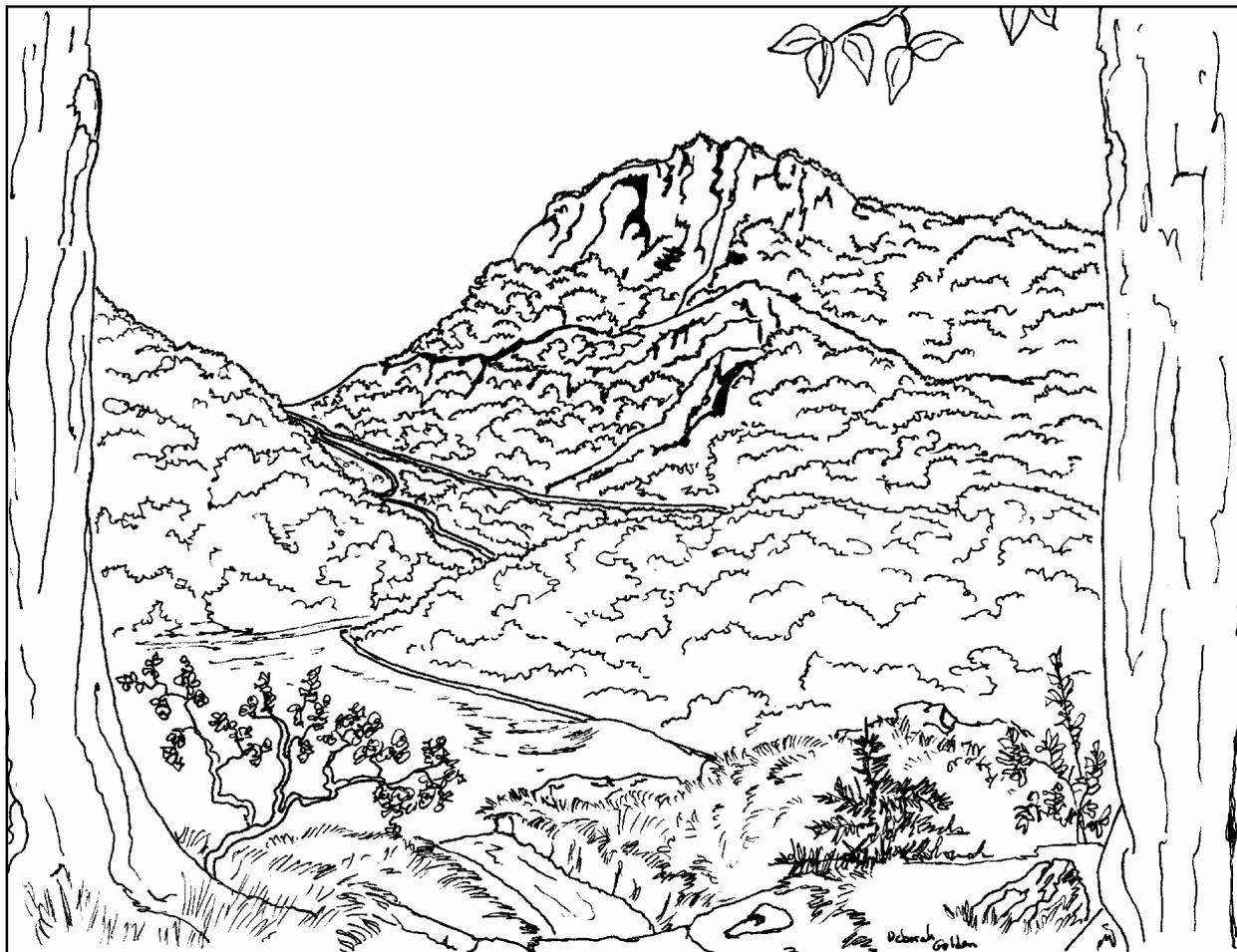


Emma W.
Middlesboro, KY



Jenna W.
London, KY

Cumberland Gap Greetings!



Color and fill out this postcard at the park or at home. Then, cut it out of the workbook. If you would like, write a letter to yourself about your adventures and a Ranger will mail it to you. This way you'll always remember your trip to Cumberland Gap! You can also take your postcard home and mail it to a friend or a Ranger with whom you would like to share your experiences.

Congratulations! You've finished your adventures in becoming a Cumberland Gap National Historical Park Junior Ranger! Go to the visitor center. A Ranger will review your work and present you with a badge!



This Certifies That:



**I s A n O f f i c i a l
J u n i o r R a n g e r**

**A t
C u m b e r l a n d G a p N a t i o n a l
H i s t o r i c a l P a r k**

P a r k R a n g e r

D a t e

